TED Talk vs. How It’s Made

Describe how the engineering process is seen in each video.

**1) Problem Definition**:

* 10 Commandments:

**Design Exploration**:

-Sketches:

**Design Optimization**:

- Lessons Learned:

**Design Communication**:

* Product:
* Process:

**Pick a 8-12 sec portion of the music video.**

Time in video:

Describe each stage of the device shown in your video segment:

For each stage look at the numbers involved: Explain two different pieces of data that you would need to find.

For one of these that you have found explain exactly how you would collect the data. Include the materials that you would need and explain what you would use as the controlled variable and the experimental variable.

Now you are designated to engineer your segment. Your segment was moving too fast for the music. What are three things that you could do to help with this problem?

So now that you have viewed this video, look back at the original question: Describe how the engineering process is seen in each video.

How It’s Made: Crayons

**1) Problem Definition:**

**2) Design Exploration:**

**3) Design Optimization:**

**4) Design Communication:**

What parts of the process do you think they have changed the most to make the process more efficient and profitable? Hint: Think of the numbers they gave you in the video.